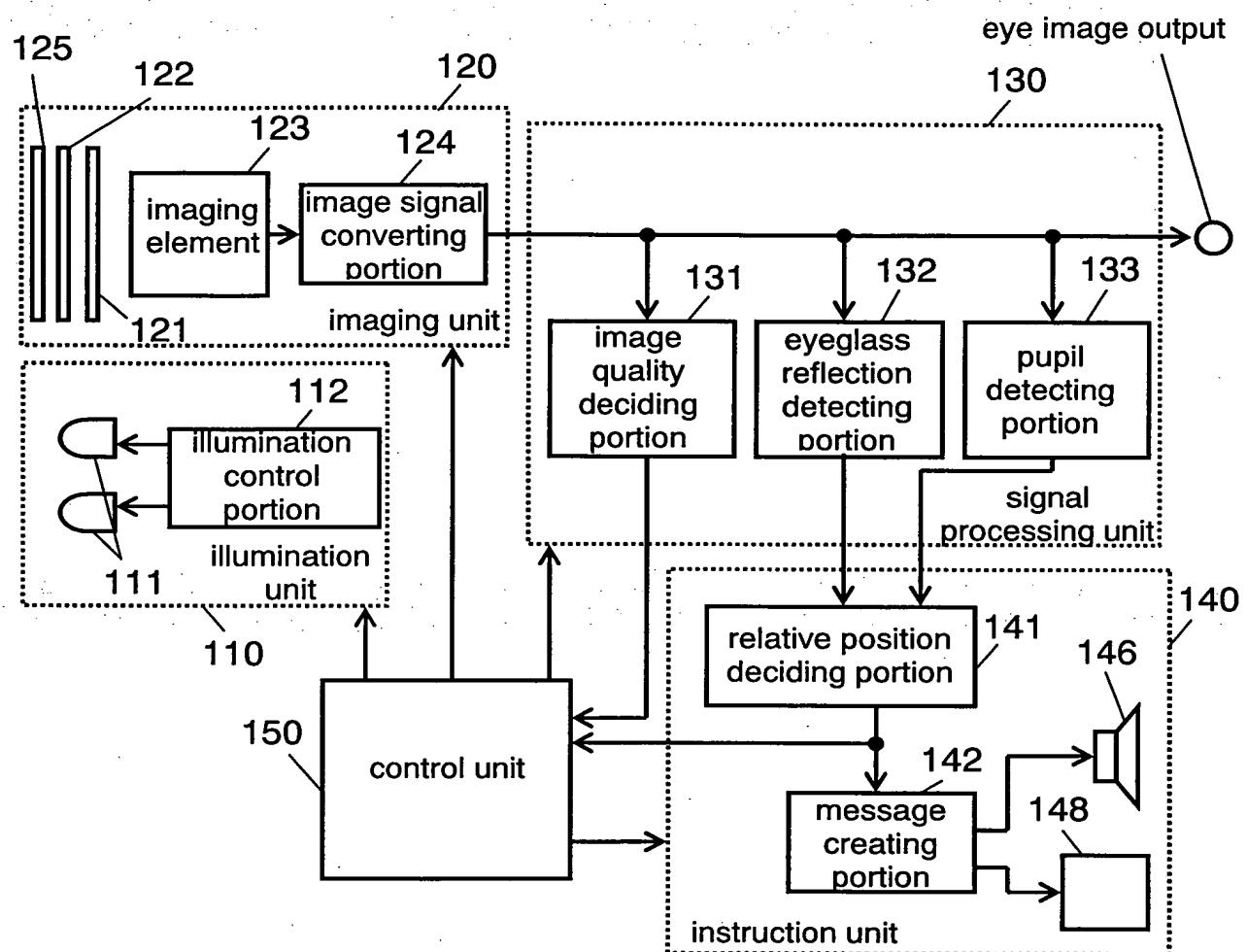


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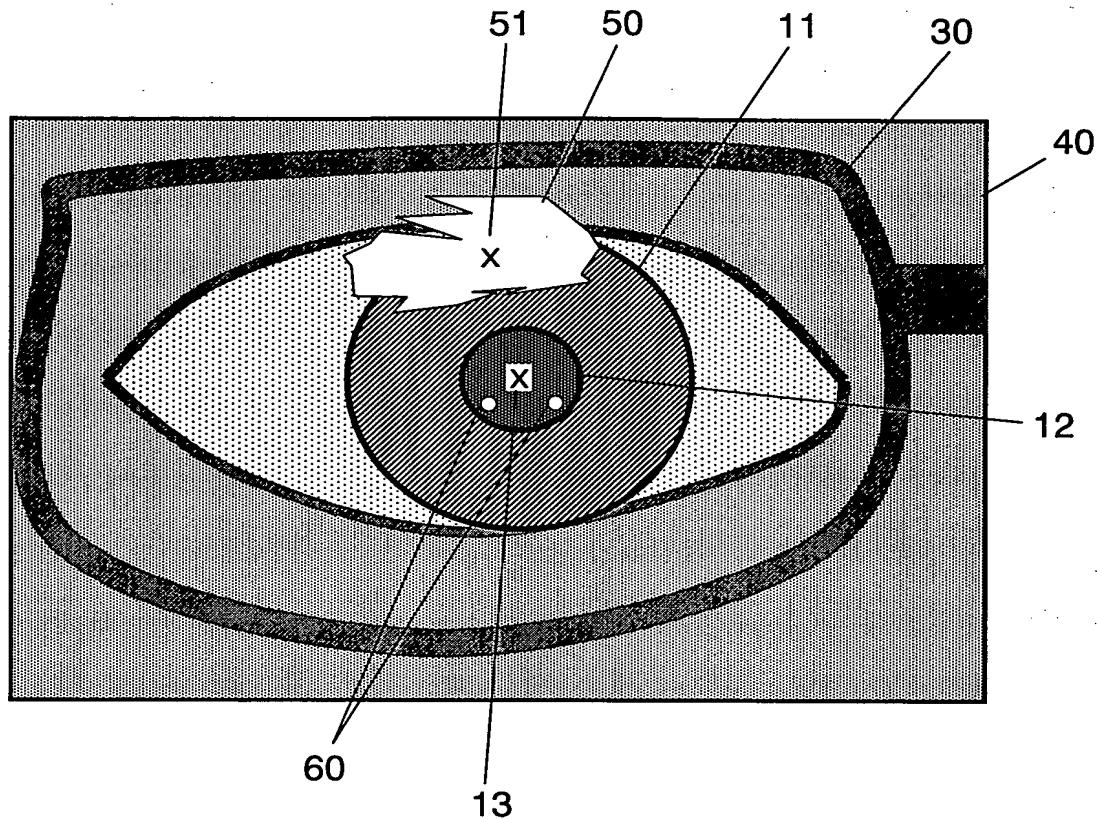
FIG. 1



100 eye image taking device

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FIG. 2

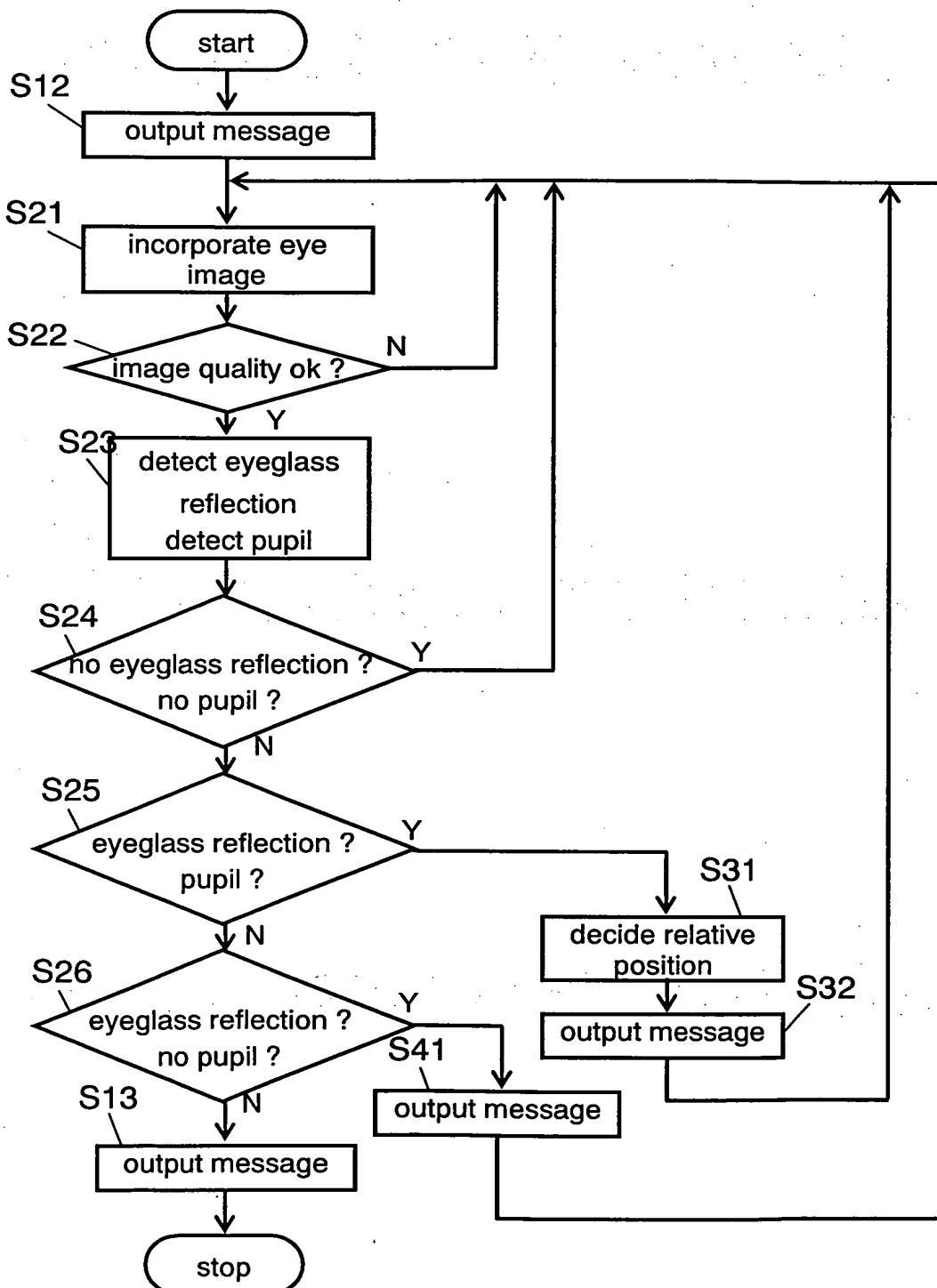


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FIG. 3



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FIG. 4A

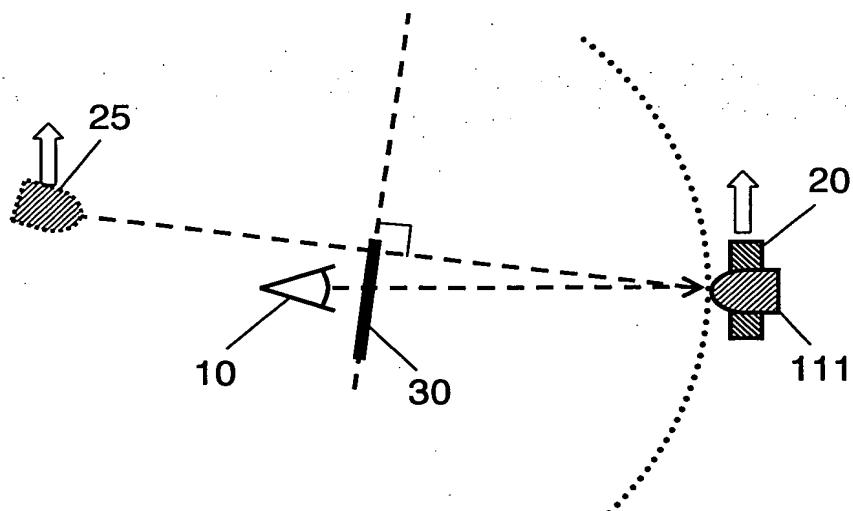


FIG. 4B

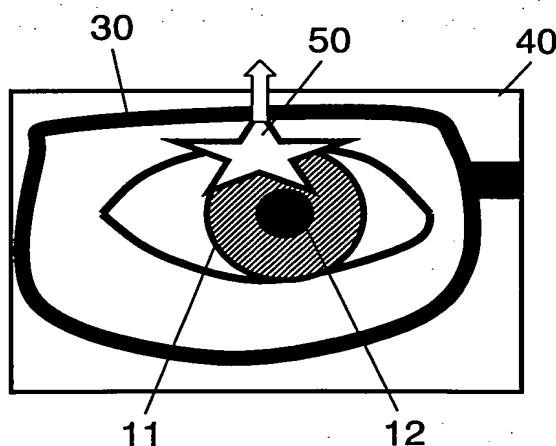
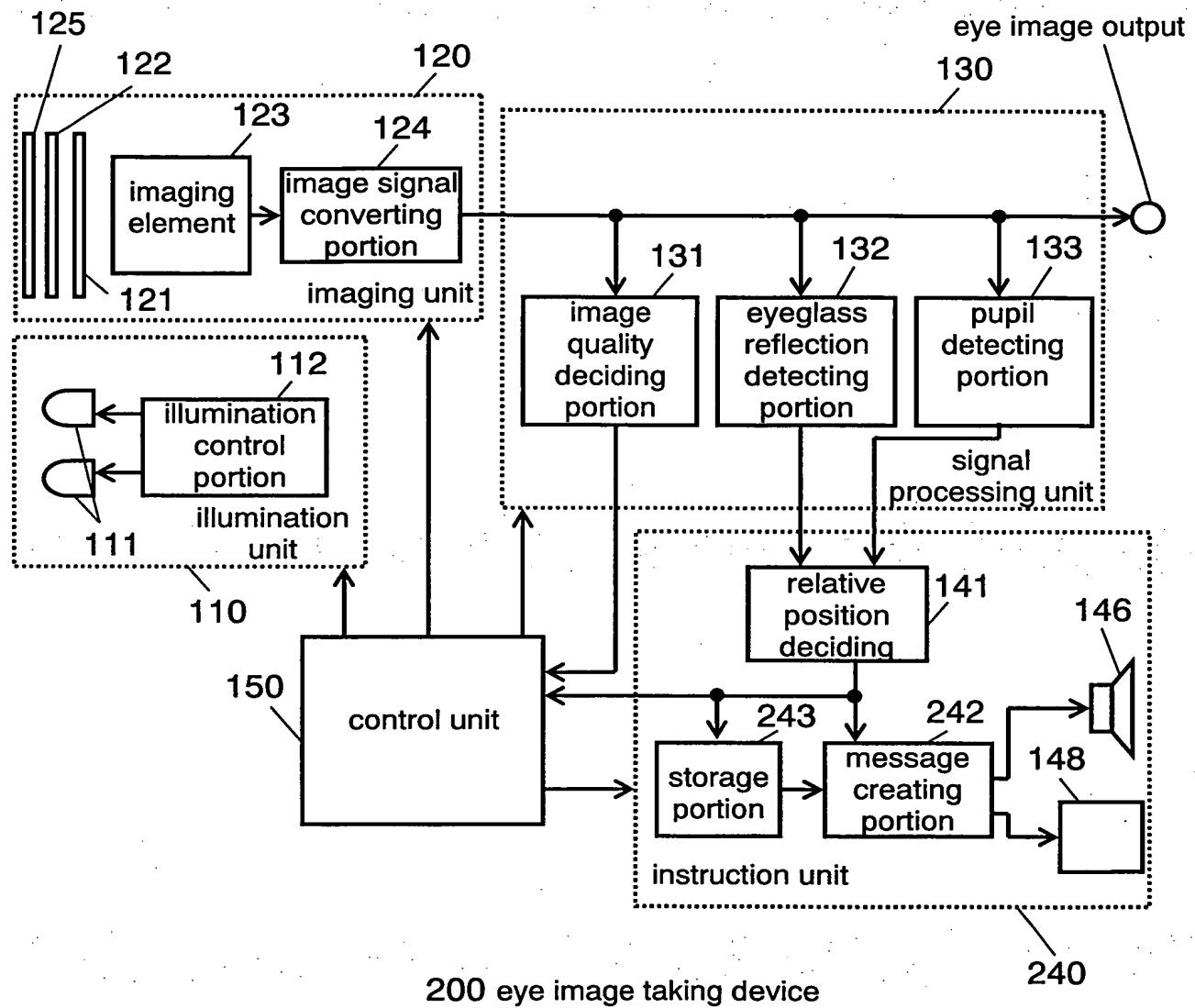


FIG. 4C

relative positions of eyeglass reflection	up	down	right	left
moving direction of camera	up	down	right	left
moving direction of face	down	up	left	right

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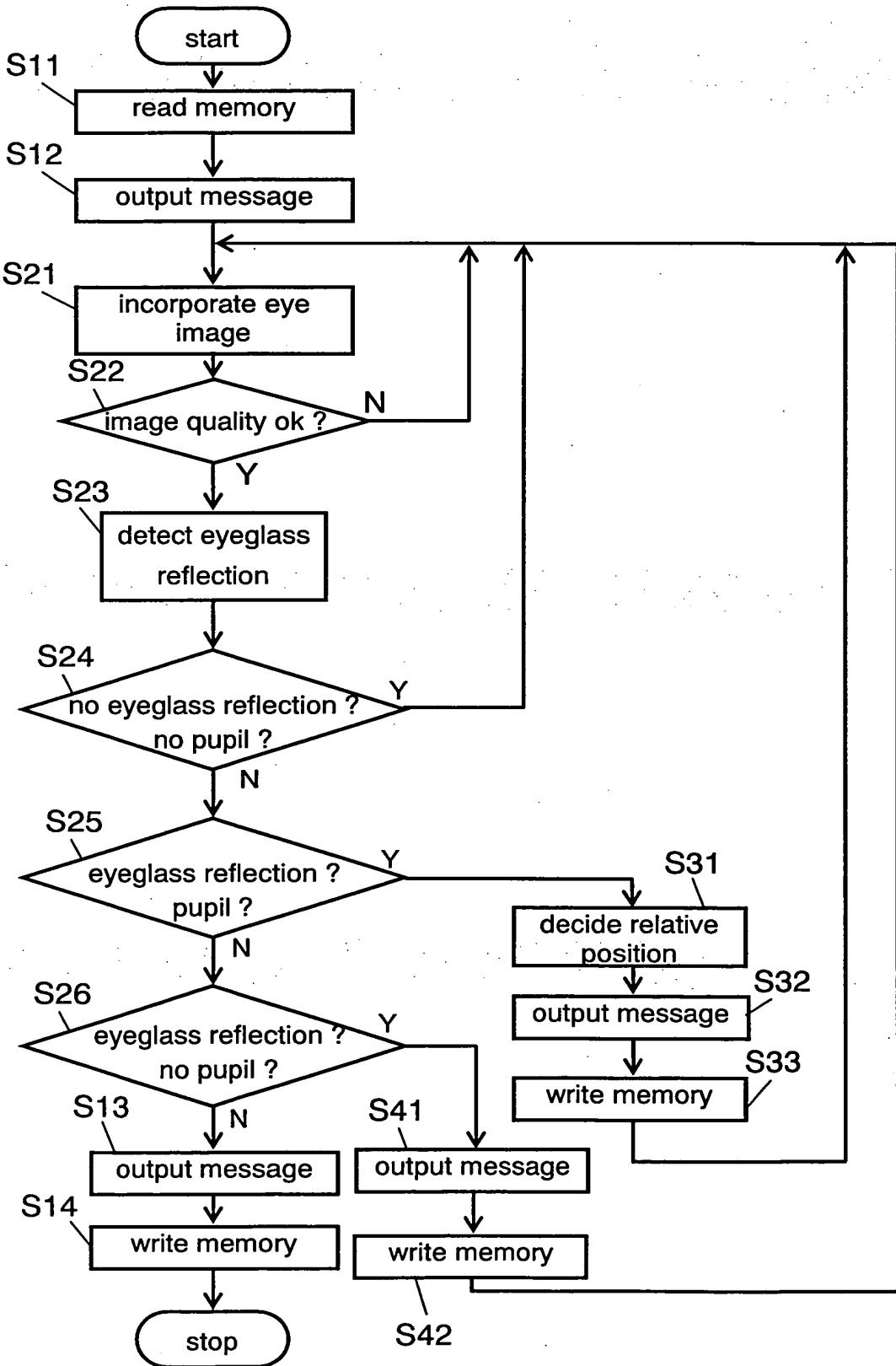
FIG. 5



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FIG. 6



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FIG. 7A

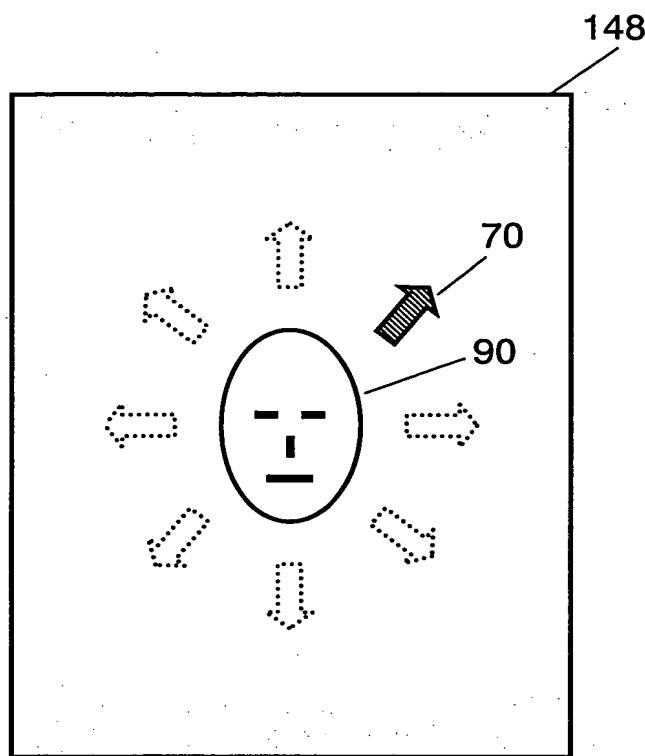
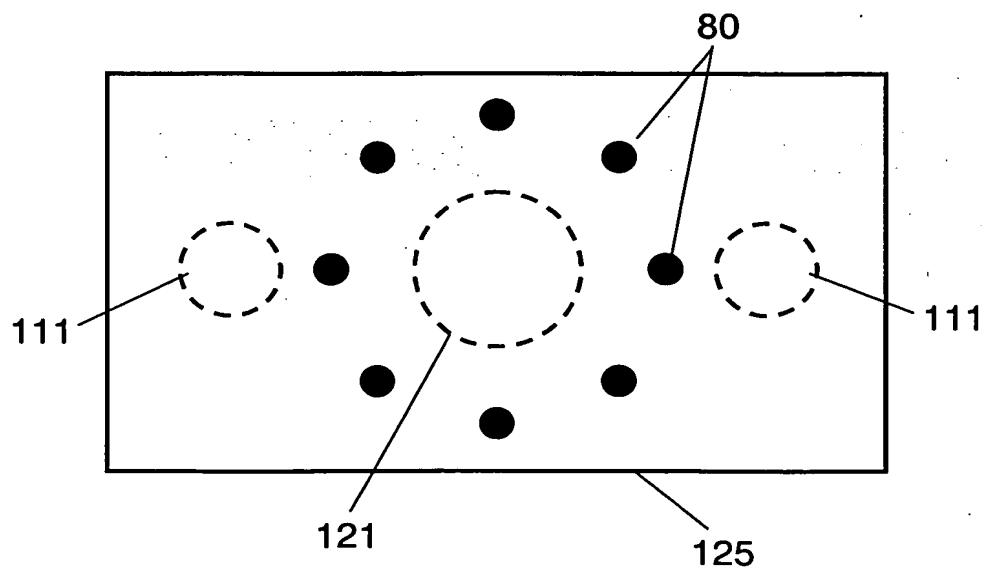


FIG. 7B



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Reference marks in the drawings

- 10 eye
- 11 iris
- 12 pupil
- 13 pupil center
- 20 camera
- 25 virtual image
- 30 eyeglass
- 40 eye image
- 50 eyeglass reflection
- 51 center of gravity
- 60 cornea reflection
- 70 arrow
- 80 instruction LED
- 100, 200 eye image taking device
- 110 illumination unit
- 111 near infrared ray illuminator
- 112 illumination control portion
- 120 imaging unit
- 121 lens
- 122 visible light cut filter
- 123 imaging element
- 124 image signal processing portion
- 125 guide mirror
- 130 signal processing unit
- 131 image quality deciding portion
- 132 eyeglass reflection detecting portion
- 133 pupil detecting portion
- 140,240 instruction unit
- 141 relative position deciding portion
- 142,242 message creating portion
- 146 speaker
- 148 liquid crystal display unit
- 150 control unit
- 243 storage portion